

PATENT**PENDING CLAIMS AS AMENDED**

1. (Currently Amended) A method for framing packets in a wireless transmission system supporting broadcast transmissions, the method comprising:

generating a portion of an Internet Protocol (IP) packet for transmission ~~wherein the portion of an Internet Protocol (IP) packet is of one type;~~

appending a start of frame indicator to the portion of the IP packet;

applying an error checking mechanism to the portion of the IP packet;

not including protocol information to identify a payload type;

preparing a frame for transmission, having the start of frame indicator, the portion of the IP packet, and the error checking mechanism; and

transmitting the frame without protocol information.

2. (Original) The method as in claim 1, wherein the start of frame indicator is a predetermined sequence of bits, the method further comprising:

if the portion of the IP packet contains the predetermined sequence of bits, inserting a classifier into the portion of the IP packet.

3 (Original) The method as in claim 2, wherein the classifier corresponds to an escape character.

4. (Original) The method as in claim 1, wherein the error checking mechanism is a frame check sequence.

5. (Currently Amended) A communication signal transmitted via a carrier wave, comprising:

a payload portion corresponding to at least a portion of an Internet Protocol (IP) packet of digital information, not including protocol information to identify a payload type; ~~wherein the portion of an Internet Protocol (IP) packet is of one type;~~

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a start of frame portion corresponding to the payload portion, and identifying a status of the payload portion within an IP packet;

and an error checking portion for verifying the payload portion.

6. (Original) The method as in claim 5, wherein the start of frame portion is a predetermined sequence of bits, and

wherein if the payload portion contains the predetermined sequence of bits, the payload portion further comprises:

a classifier portion.

7. (Currently Amended) A method for receiving framed packets in a wireless transmission system supporting broadcast transmissions, the method comprising:

receiving a frame of a packet transmission ~~wherein the frame is of one type of packet transmission wherein the frame contains a payload portion of an Internet Protocol (IP) packet and does not include protocol information to identify a payload type~~, the frame having a start of frame portion, a payload portion, and an error check portion, the frame not including protocol information;

identifying the frame as a start frame in the packet transmission;

verifying the frame using the error check portion of the frame; and

processing the payload portion of the frame.

8. (Original) The method as in claim 7, wherein if the start of frame indicator is a predetermined sequence of bits, and

wherein if the payload portion contains the predetermined sequence of bits, the payload portion further includes a classifier to identify the predetermined sequence of bits in the payload.

9. (Original) The method as in claim 8, wherein the classifier defines an escape character.

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10. (Currently amended) The method as in claim 8, further comprising:
identifying the classifier in the payload not including protocol information to identify a payload type; and
processing the payload without the classifier.

11. (Original) The method as in claim 1, wherein the error checking portion is a frame check sequence.

12. (Currently Amended) An apparatus for framing packets in a wireless transmission system supporting broadcast transmissions, the apparatus comprising:
means for generating a portion of an Internet Protocol (IP) packet for transmission wherein the portion of an Internet Protocol (IP) packet is of one type;
means for appending a start of frame indicator to the portion of the IP packet;
means for applying an error checking mechanism to the portion of the IP packet;
means for preparing a frame for transmission, having the start of frame indicator, the portion of the IP packet, and the error checking mechanism and not including protocol information to identify a payload type; and
means for transmitting the frame without protocol information.

13. (Currently Amended) An apparatus for receiving framed packets in a wireless transmission system supporting broadcast transmissions, the apparatus comprising:
means for receiving a frame of a packet transmission wherein the frame is of one type of packet transmission wherein the frame contains a payload portion of an Internet Protocol (IP) packet, and does not include protocol information to identify a payload type, the frame having a start of frame portion, a payload portion, and an error check portion, the frame not including protocol information;
means for identifying the frame as a start frame in the packet transmission;
means for verifying the frame using the error check portion of the frame; and
means for processing the payload portion of the frame.

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14. (Currently Amended) A computer program stored on a computer-readable storage unit, the computer program for framing packets in a wireless transmission system supporting broadcast transmissions, the computer program comprising:

a first set of instructions for generating a portion of an Internet Protocol (IP) packet for transmission ~~wherein the portion of an Internet Protocol (IP) packet is of one type;~~

a second set of instructions for appending a start of frame indicator to the portion of the IP packet;

a third set of instructions for applying an error checking mechanism to the portion of the IP packet;

a fourth set of instructions for preparing a frame for transmission, having the start of frame indicator, the portion of the IP packet, and the error checking mechanism and not including protocol information to identify a payload type; and

a fifth set of instructions for transmitting the frame without protocol information.

15. (Currently Amended) An computer program stored on a computer-readable storage unit, the computer program for receiving framed packets in a wireless transmission system supporting broadcast transmissions, the computer program comprising:

a first set of instructions for receiving a frame of a packet transmission ~~wherein the frame is of one type of packet transmission wherein the frame contains a payload portion of an Internet Protocol (IP) packet, and does not include protocol information to identify a payload type;~~ the frame having a start of frame portion, a payload portion, and an error check portion, the frame not including protocol information;

a second set of instructions for identifying the frame as a start frame in the packet transmission;

a third set of instructions for verifying the frame using the error check portion of the frame; and

a fourth set of instructions for processing the payload portion of the frame.